

Title (en)  
STEEL PIPE HAVING HIGH FORMABILITY AND METHOD FOR PRODUCING THE SAME

Title (de)  
STAHLROHR MIT HOHER VERFORMBARKEIT UND HERSTELLUNGSVERFAHREN DAFÜR

Title (fr)  
TUYAU D'ACIER A HAUTE APTITUDE AU FORMAGE ET SON PROCEDE DE FABRICATION

Publication  
**EP 1231289 B1 20051019 (EN)**

Application  
**EP 01936889 A 20010607**

Priority

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Abstract (en)  
[origin: EP1231289A1] The present invention provides a steel pipe excellent in formability during hydraulic forming and the like and a method to produce the same, and more specifically: a steel pipe excellent in formability having an r-value of 1.4 or larger in the axial direction of the steel pipe, and the property that the average of the ratios of the X-ray intensity in the orientation component group of  $\alpha 110^\circ < 110^\circ$  to  $\alpha 332^\circ < 110^\circ$  on the plane at the center of the steel pipe wall thickness to the random X-ray intensity is 3.5 or larger, and/or the ratio of the X-ray intensity in the orientation component of  $\alpha 110^\circ < 110^\circ$  on the plane at the center of the steel pipe wall thickness to the random X-ray intensity is 5.0 or larger; and a method to produce a steel pipe excellent in formability characterized by heating the steel pipe having the property that the ratio of the X-ray intensity in every one of the orientation components of  $\alpha 001^\circ < 110^\circ$ ,  $\alpha 116^\circ < 110^\circ$ ,  $\alpha 114^\circ < 110^\circ$  and  $\alpha 112^\circ < 110^\circ$  on the plane at the center of the mother pipe wall thickness to the random X-ray intensity is 3 or smaller to a temperature in the range from 650 to 1,200 DEG C and by applying working under a condition of a diameter reduction ratio of 30% or more and a wall thickness reduction ratio of 5 to 30%.

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IPC 8 full level  
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CPC (source: EP KR US)  
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